

**From:** [Wright, Jeff](#)  
**To:** [Gary Moore/R6/USEPA/US@EPA](#)  
**Cc:** [Bordelon, David](#)  
**Subject:** RE: Delta Shipyards Treatability Tests  
**Date:** 02/05/2013 09:16 AM

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Gary,

- 1) – Treatability samples are collected within individual pails. We have 3 Pits. Each pit has 2 pails of material (approximately ½ to ¾ full)
- 2) – The material from the geoprobe cuttings were placed directly into the pails as the samples were processed. We would need to homogenize the two pails (per Pit) and submit as one sample.
- 3) – I requested that Mark Balhoff send me the lab add data for the pit samples. The percent moisture should be listed as the lab must determine it in order to provide properly adjusted analytical results.
- 4) – Are you referring to the freestanding water within Pits 2 and 3? I believe we would have to remove (dewater) the pits prior to Solidification. I'm pretty sure this is what LDEQ did at the Bayou Trepagnier site.
- 5) – We have some personnel in Houston who should be able to provide this estimate. I will get that to you as soon as I can.



**Jeff Wright, CHMM**  
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**From:** Moore.Gary@epamail.epa.gov [mailto:Moore.Gary@epamail.epa.gov]  
**Sent:** Thursday, January 31, 2013 1:32 PM  
**To:** Wright, Jeff  
**Subject:** Re: Delta Shipyards Treatability Tests

Jeff:

I have to think about this. Give me till next week.

Thinking out loud:

1. The samples that we collected to be used for treatability studies that are in each pail are from each pit ? 4 pits so 4 pails?
2. The material in each pail are from one or multiple geoprobe(s) to refusal from each pit? Are the representative samples from each pit?
3. Based on your Best Scientific Judgement, can you estimate the likely moisture content of each pit?



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4. Do we also need to be worried about the water in excess of what is in the void space and how does that add to moisture content?
5. What would be the estimated cost to put in a slurry wall/grout curtain around the pits to control moisture?

Thanks

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From: "Wright, Jeff" <[Jeff.Wright@WestonSolutions.com](mailto:Jeff.Wright@WestonSolutions.com)>  
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Cc: "Bordelon, David" <[David.Bordelon@WestonSolutions.com](mailto:David.Bordelon@WestonSolutions.com)>  
Date: 01/29/2013 05:04 PM  
Subject: Delta Shipyards Treatability Tests

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Gary -

I spoke with our Kemron representative yesterday. The primary question he had was the number of source material samples to be analyzed (e.g. will we submit each Pit sample for individual Treatability Analysis). I mentioned to him that the samples we have from the site are geoprobe core cuttings and would not contain the same amount of %moisture as the in situ material. He stated that they could manipulate the %moisture content during the Treatability Study. We would need to define what %moisture to run the tests.

Our other option would be to remobilize to the site with an extended-boom trackhoe and collect a representative sample from each pit. I would suggest that if we were to remob and collect new samples that they be submitted as individual Treatability Samples. If we decide to go with what we have, I would suggest combining all cutting together and then have the lab run the tests with the %moisture set at a couple different levels (maybe 40% and 60%, but I'll research a little more). The trackhoe method would certainly be less subjective and more indicative of real world conditions. I could put together cost estimate for procuring trackhoe services (1-day) if you're interested.

Regardless of which materials we decide to use, he only needs the actual number of source material samples to put together a cost proposal. We could request three, which would probably be the conservative way to go. Let me know what you think.

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